

Title (en)
AUDITORY ASSISTANT MODULE FOR AUTONOMOUS VEHICLES

Title (de)
AUDITIVES ASSISTENZMODUL FÜR AUTONOME FAHRZEUGE

Title (fr)
MODULE D'ASSISTANT AUDITIF POUR VÉHICULES AUTONOMES

Publication
EP 3730374 A1 20201028 (EN)

Application
EP 20170433 A 20200420

Priority
US 201962839477 P 20190426

Abstract (en)
Disclosed are devices, systems and methods for an audio assistant in an autonomous or semi-autonomous vehicle. In one aspect the informational audio assistant receives a first set of data from a vehicle sensor and identifies an object or condition using the data from the vehicle sensor. Audio is generated representative of a perceived danger of an object or condition. A second set of data from the vehicle sensor subsystem is received and the informational audio assistant determines whether an increased danger exists based on a comparison of the first set of data to the second set of data. The informational audio assistant will apply a sound profile to the generated audio based on the increased danger.

IPC 8 full level
B60W 50/14 (2020.01); **B60Q 9/00** (2006.01); **B60W 30/095** (2012.01)

CPC (source: CN EP US)
B60Q 9/008 (2013.01 - CN); **B60R 16/023** (2013.01 - CN); **B60W 30/095** (2013.01 - EP); **B60W 40/04** (2013.01 - US); **B60W 40/08** (2013.01 - US); **B60W 50/14** (2013.01 - EP US); **G05D 1/0212** (2024.01 - US); **G08G 1/0112** (2013.01 - CN); **G08G 1/166** (2013.01 - CN); **H04R 5/02** (2013.01 - US); **B60W 2050/143** (2013.01 - EP); **B60W 2510/18** (2013.01 - US); **B60W 2540/229** (2020.02 - US); **B60W 2554/402** (2020.02 - EP); **B60W 2554/801** (2020.02 - EP); **B60W 2554/802** (2020.02 - EP); **B60W 2554/804** (2020.02 - EP); **B60W 2555/20** (2020.02 - EP US); **B60W 2555/40** (2020.02 - EP); **H04R 2499/13** (2013.01 - US)

Citation (search report)
• [XY] DE 102008021068 A1 20091029 - VOLKSWAGEN AG [DE]
• [X] DE 10345680 A1 20050504 - GRUNDIG CAR INTERMEDIA SYS [DE]
• [Y] DE 102016003032 A1 20160929 - DAIMLER AG [DE]

Cited by
US2022234604A1; US11724641B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3730374 A1 20201028; AU 2020202657 A1 20201112; CN 111845553 A 20201030; US 11167775 B2 20211109; US 11718312 B2 20230808; US 2020339145 A1 20201029; US 2022041177 A1 20220210; US 2023331246 A1 20231019

DOCDB simple family (application)
EP 20170433 A 20200420; AU 2020202657 A 20200421; CN 202010338270 A 20200426; US 202016854848 A 20200421; US 202117497283 A 20211008; US 202318339987 A 20230622